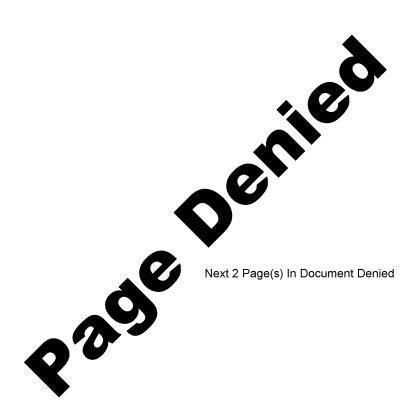
25X1



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## GUIDED MISSILES Activities of ZAVOD 456

This ZAVOD consisted essentially of two distinct portions: an OKB or special design department mostly staffed by Germans (with Russian supervisors) and the ZAVOD proper employing Russians only. The OKB and ZAVOD had roughly similar equipment but differed in floor space and production facilities, including jigs and tools, the ZAVOD being by far the larger.

It appears reasonably certain that the ZAVOD was originally intended to take up series production of combustion chambers whilst the OKB was to carry out experimental and development work. The whole of 1947 was spent to get the ZAVOD organised to this end. Although very little was actually produced that year 25X1 the equipment was such that by 1948, a production of 100 complete propulsion units per month should have been possible (under German management and staff!). As a matter of fact, the total combined production of the OKB and the ZAVOD over the period 1948/50 amounted to 25X1 less than a hundred complete propulsion units. 25X1 this discrepancy not so much to inefficiency as to a deliberate change in plan. It seems evident that from the beginning of 1948, the Soviet authorities relegated ZAVOD 456 to the status of an experimental establishment acting more or less as an extention to the OKB. The object seems to have been merely to produce a limited number of propulsion units for firing trials and at the same time familiarize the Russian staff with the production method, utilizing Russian 25X1 materials as far as possible. thoroughly mastered the necessary welding technique and had produced combustion chambers equal in performance to anything the Germans had manufactured. 25X1 Production figures of OKB and ZAVOD 456 25X1

For the first year (1947) the OKB was responsible for the assembly and despatch of 5 complete propulsion units of 25 ton thrust.

During this year, the ZAVOD was being organised for mass production and towards the end of the year had a major assembly line (evacuated from NORDHAUSEN) in action. This was demonstrated to a number of Russian Commissions, but only very few 25 ton thrust units were actually produced.

produced.

production figures for 25X1 the next 3 years (1940/1950) estimate is given in the 25X1 following table:

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25X1

Complete Prop 25 ton  OKB 10 ZAVOD 25  Total: 35  Grand 80  produced 3 times as many bustion chambers as did amounts to 3 years of standard combustion c	35 ton 10 35 45	Combustion c 25 ton 12 40 52	chambers only 35 ton  13 80  93	
CavoD 25 Cotal: 35 Crand Cotal 80 Croduced 3 times as many custion chambers as did mounts to 3 years	35 <u>45</u>	<u>5</u> 2	93	
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roduced 3 times as many astion chambers as did nounts to 3 years		145	<u>.</u>	
stion chambers as did counts to 3 years				
most ceased, both the oject.  By  e new combustion chamb	hambers(by then on OKB and the ZAVO)	by 1950, the mostly of 35 ton to being busy with  Sept 1950)	manufacture hrust) had the 100 ton , work on	25 25
series production ginning of 1952.	on this unit cou	ld well be on the	way by the	

25X1

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